

Figures

Figure 1a. Intensity Instrumentation for Stern-Volmer Characterizations -- optical and vacuum measurement system

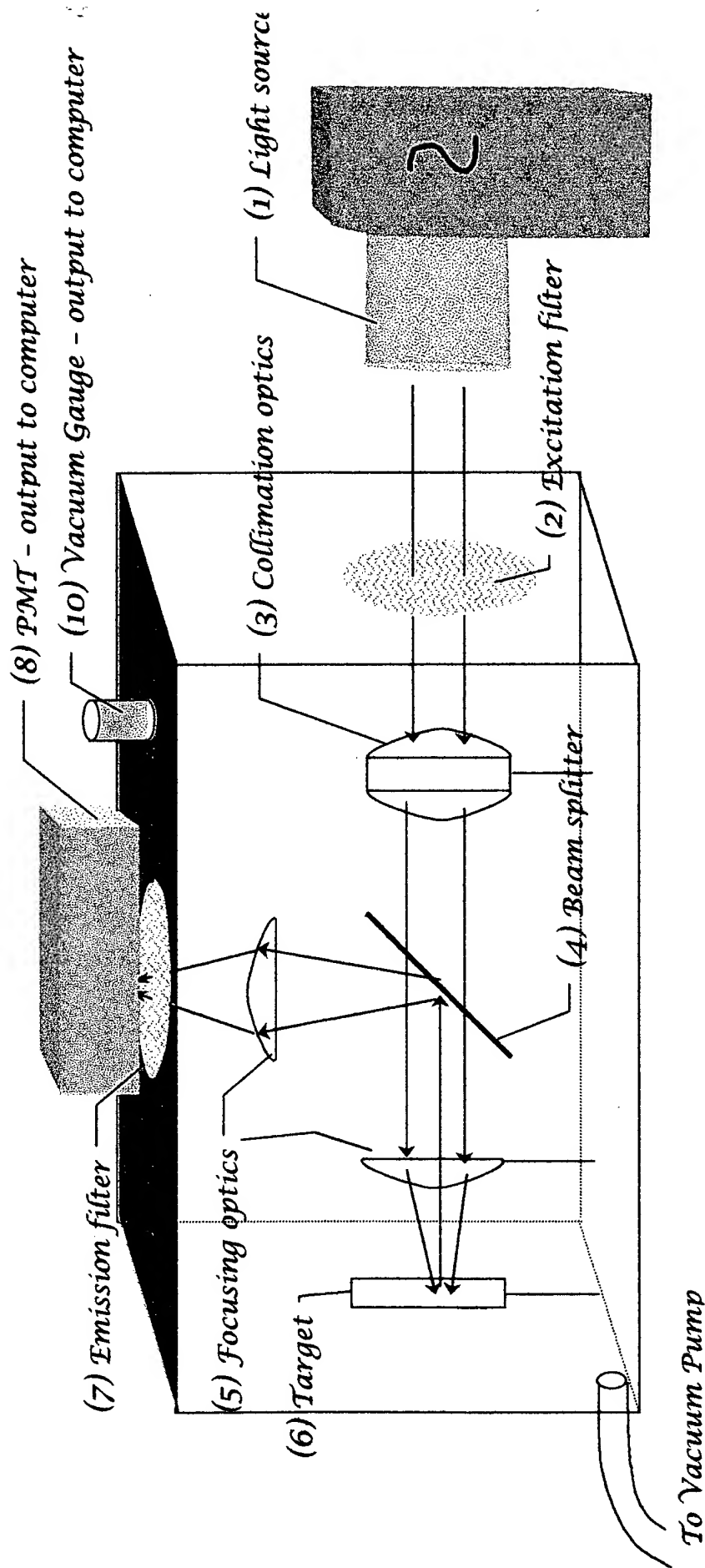


Figure 1b. Comparison of Stern-Volmer Response Characteristics for PtTPP and PdTPP in ethylene-octene copolymer

Comparison of PdTPP and PtTPP in LDPE Film

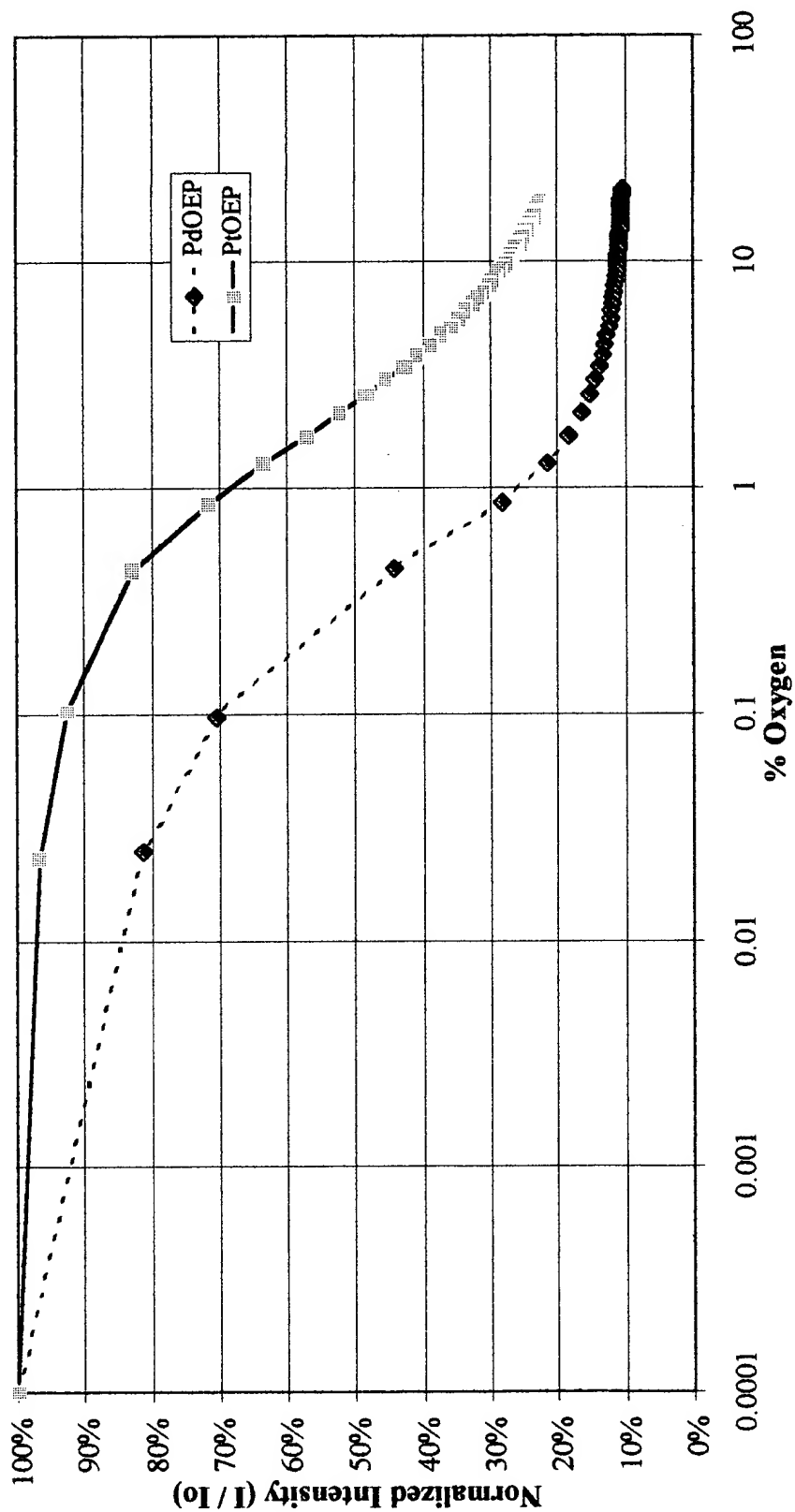


Figure 2a. Optical instrumentation used for lifetime measurements

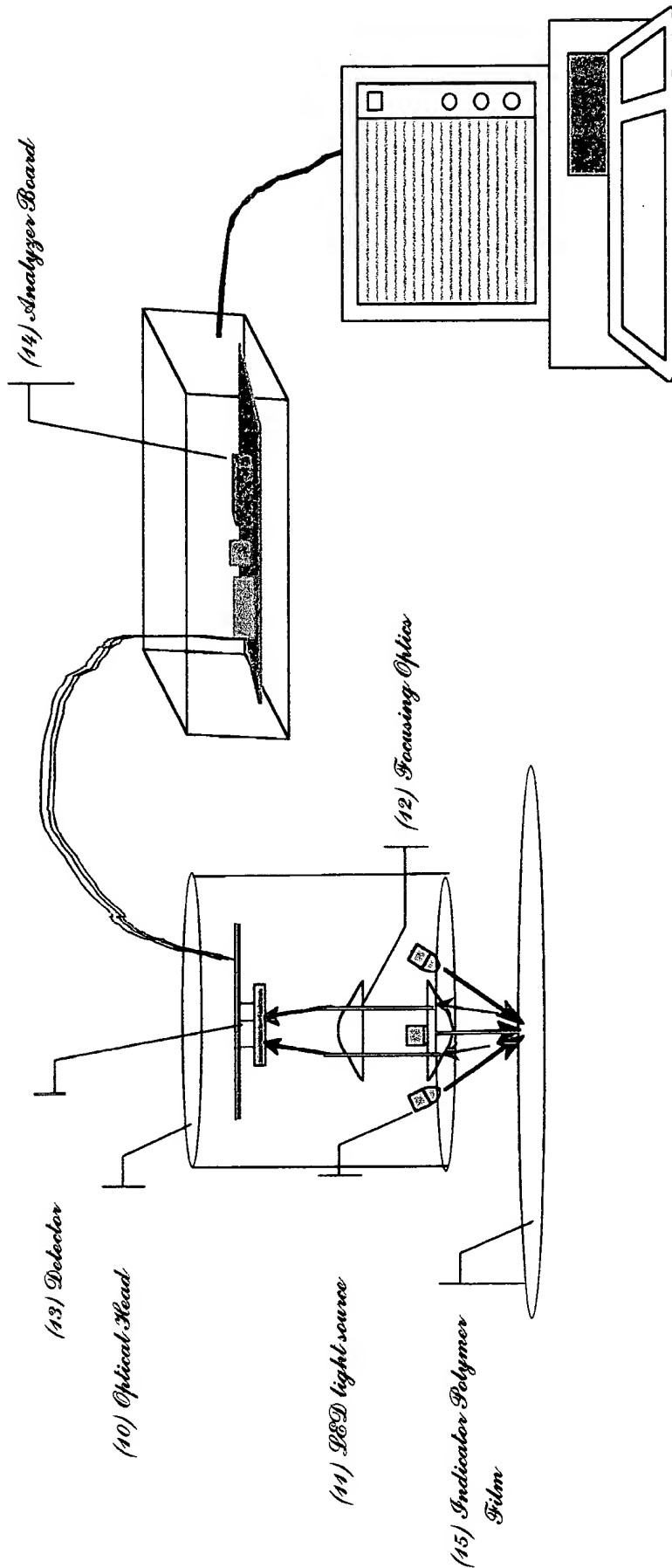
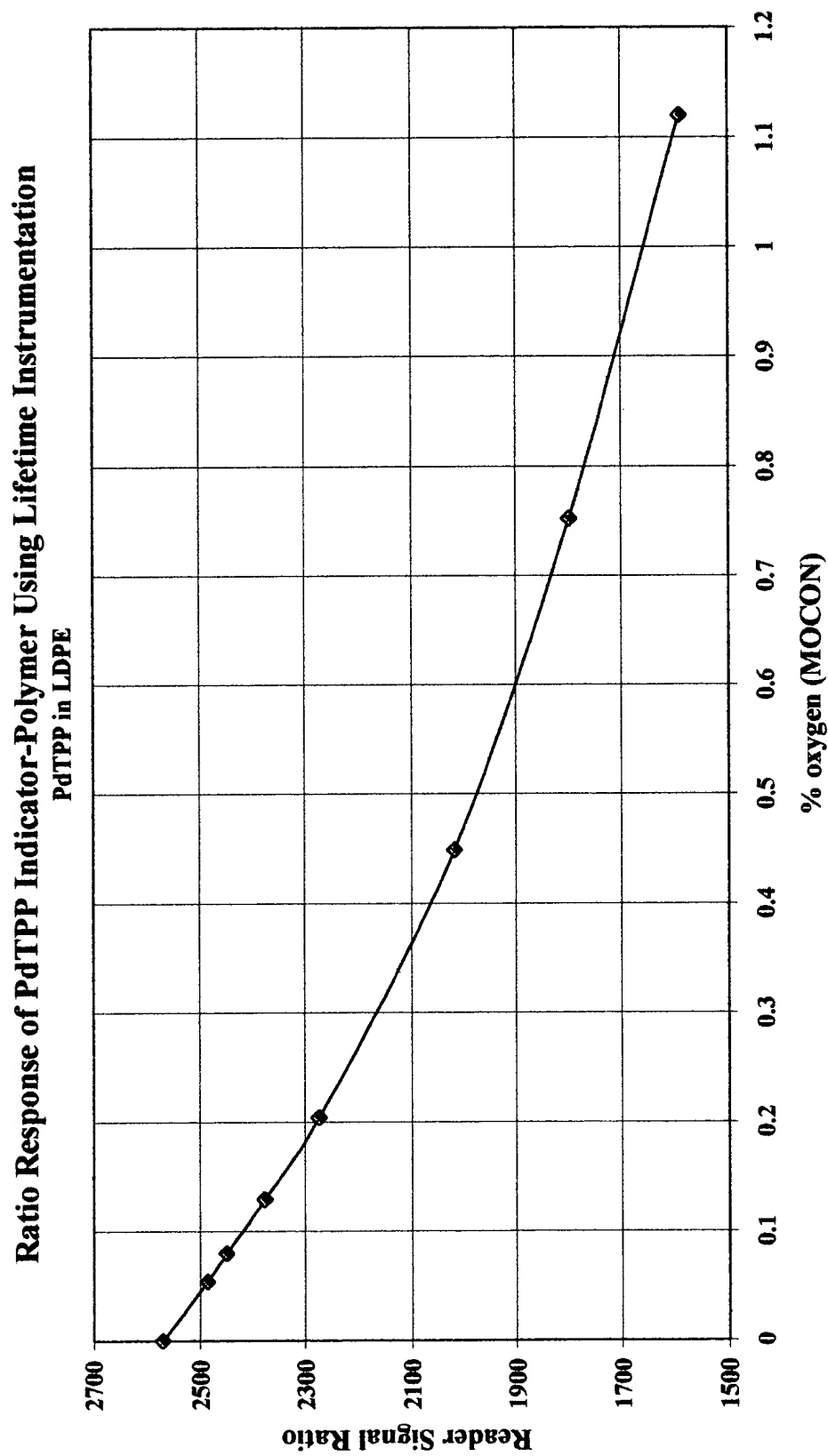


Figure 2b. Ratio Response of PdTPP Dye in LDPE as a Function of Oxygen Concentration.



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Figure 3. Emission spectra of PtOEP indicator in a thermal melt preparation of a commercial LDPE thermoplastic polymer.
Excitation centered at 400nm.

Emission Spectrum PtOEP-LDPE

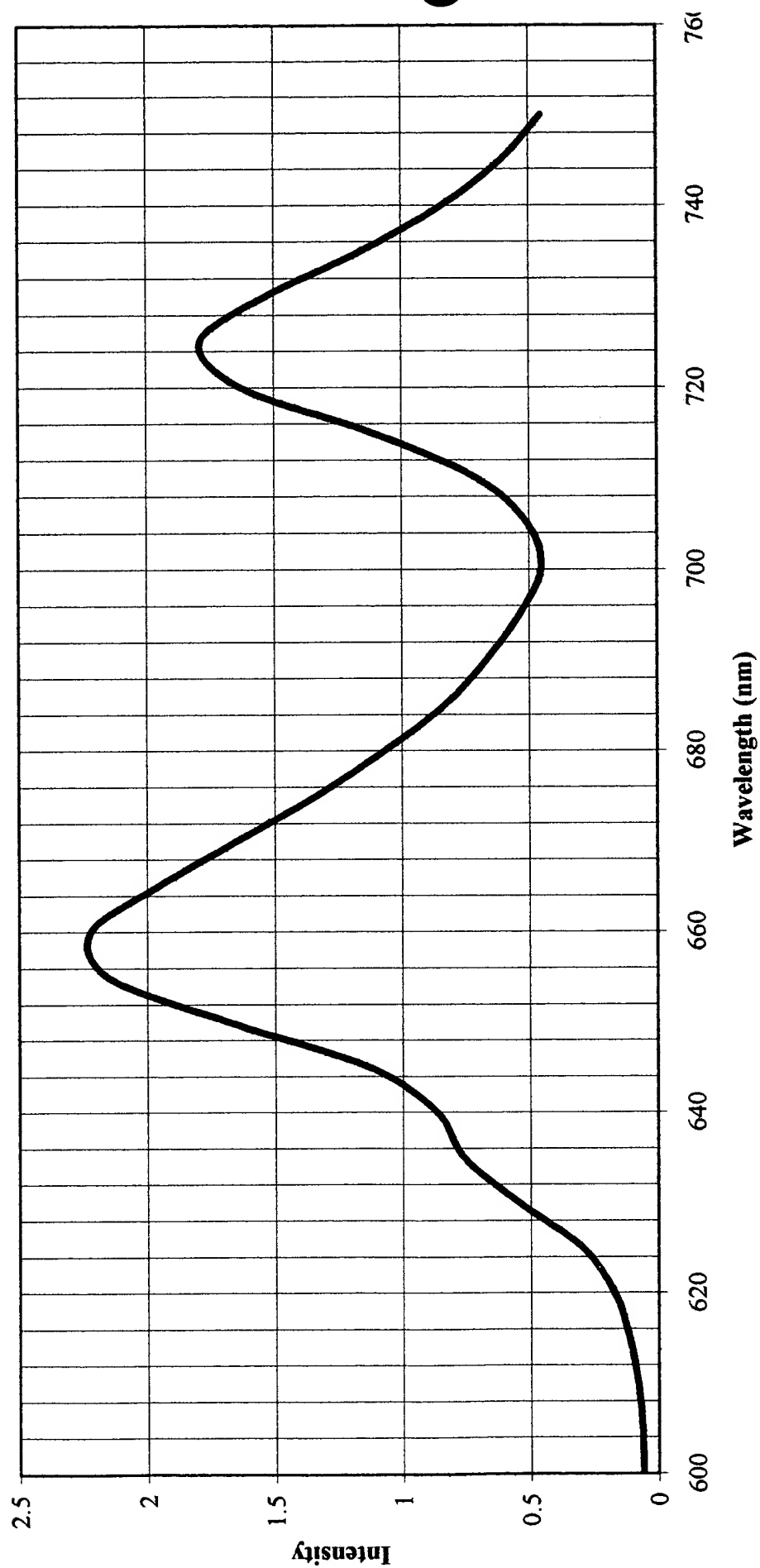
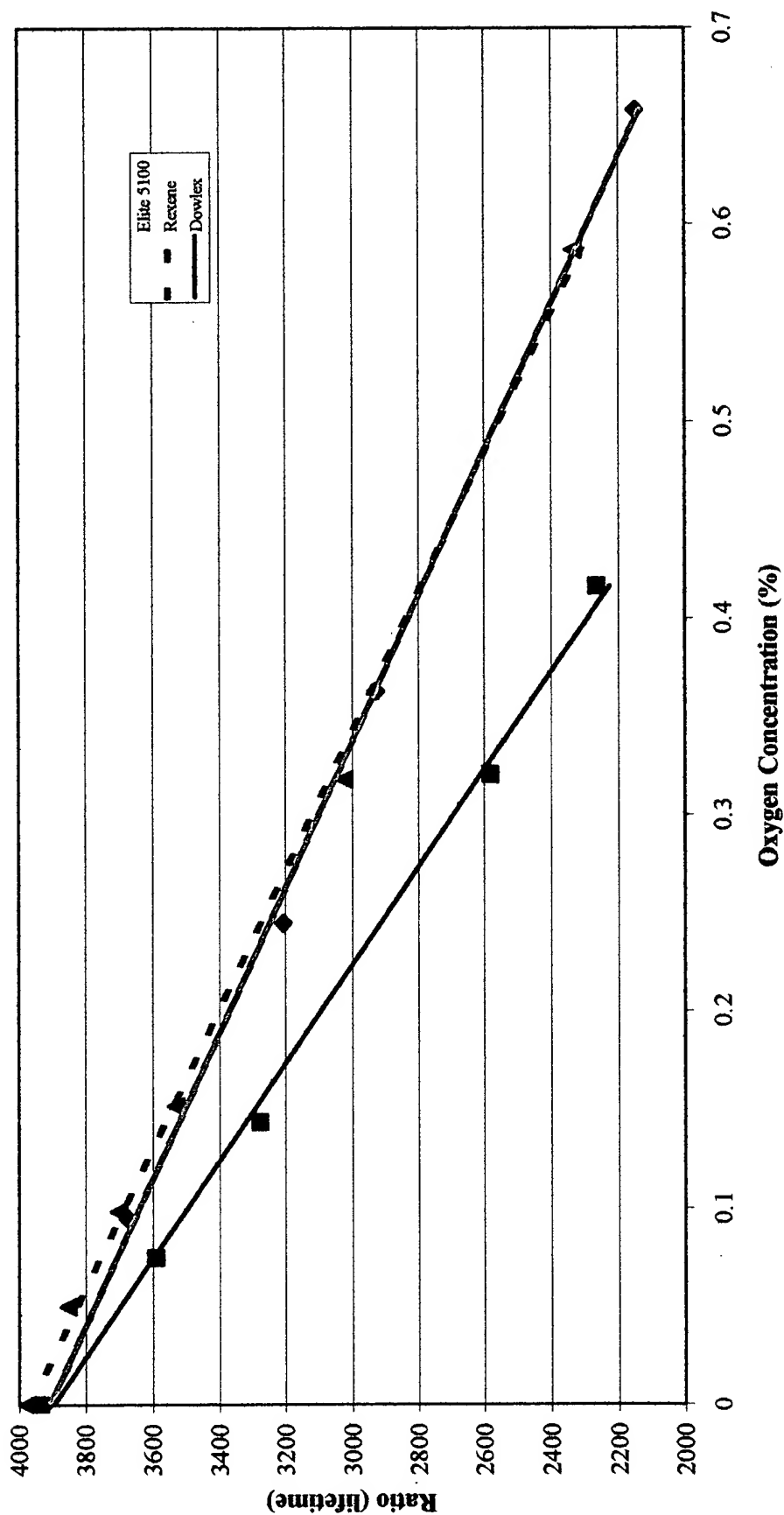


Figure 4. Ratiometric Response Curves for Press-Plaques from Different Carrier Polymers

Ratio Response of PdTPP indicator in Different Commercial Carrier Polymers



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Figure 5. Ratio response of a PtOEP film prepared by extrusion in twin-screw extrusion machine

PtOEP Oxygen Indicator Polymer Film

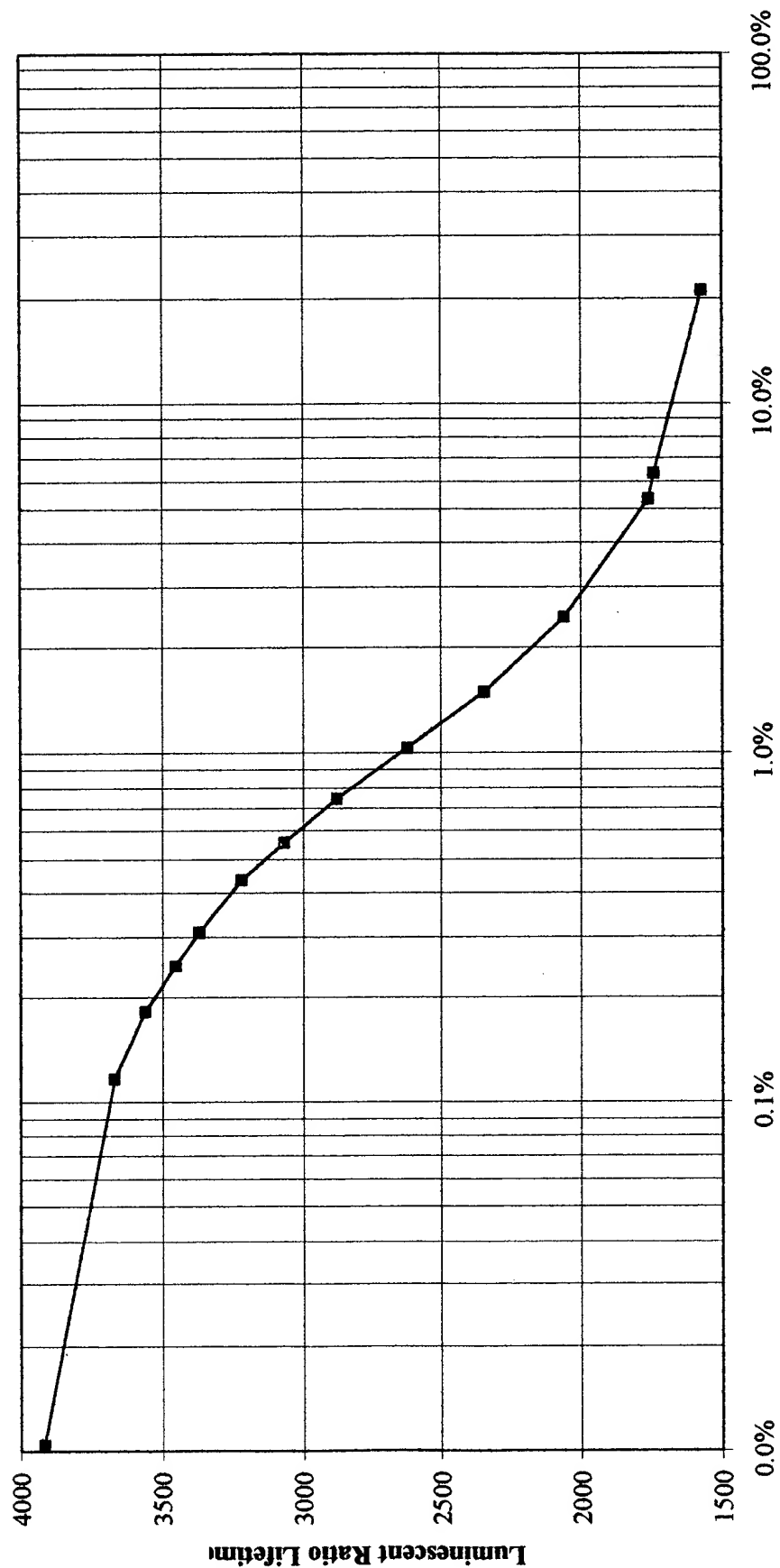


Figure 6. Various Laminate Forms of the Oxygen Sensor in Flexible Package Wrap Material

Indicator-Polymer Laminate Test Series
PtOEP/Dowlex Indicator Film

